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## On the crystal structure of pseudowollastonite (CaSiO<sub>3</sub>)

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## ABSTRACT

A single-crystal X-ray diffraction study of synthetic pseuowollastonite (CaSiO<sub>3</sub>) shows that this crystal has monoclinic C2/c symmetry, with a = 6.8394(5), b = 11.8704(9), c = 19.6313(7) Å,  $\beta = 90.667(6)^\circ$ , and V = 1593.7(2) Å<sup>3</sup>. Basic features of the C2/c structure are similar to those previously determined with a  $C\overline{1}$  symmetry but fewer sites exist for the monoclinic space group: five symmetrically nonequaivalent Ca sites, three Si sites, and nine O sites.